Author Index to Volume 203

Adelman, D.E., H. Xu and R.N. Zare, Integral rate constant measurements of the reaction $H+D_2 \rightarrow HD(v'=1, j')+D$ at high collision energies 203 (1993) 573
Akulin, V., see E. Borsella 203 (1993) 15
Almlöf, J., see M. Tomonari 203 (1993) 603
Arnold, J., T. Bouché, T. Dreier, J. Wichmann and J. Wolfrum, CARS studies on the heterogenous relaxation of vibrationally excited hydrogen and deuterium 203 (1993) 283
Arnold, M., see D.J. Kouri 203 (1993) 166
Arratia-Pérez, R., Spin–orbit effects on RuO_4 and OsO_4 203 (1993) 409

Babb, J.F., see T.C. Scott 203 (1993) 175
Bachmann, R., Ch. Ottinger and A.F. Vilesov, High-resolution study of collision-induced transitions from $N_2(A\,^3\Sigma_u^+, v=10)$ to $N_2(B\,^3\Pi_g, v=2)$ 203 (1993) 314
Bahr, C.C., see A. Vom Felde 203 (1993) 104
Bancroft, G.M., see Z.F. Liu 203 (1993) 337
Bardeen, C.J. and C.V. Shank, Femtosecond electronic dephasing in large molecules in solution using mode suppression 203 (1993) 535
Barnes, I., K.H. Becker and L. Ruppert, FTIR product study of the self-reaction of β-hydroxyethyl peroxy radicals 203 (1993) 295
Barszczewicz, A., M. Jaszuński and K. Jackowski, Ab initio calculations of the oxygen atom NMR shielding in the carbonyl group 203 (1993) 404
Bässler, H., see U. Lemmer 203 (1993) 28
Baum, G. and J. Robert Huber, Photodissociation of CF_2Cl_2 at 193 nm investigated by photofragment translational spectroscopy 203 (1993) 261
Baumgärtel, H., see T. Jaffke 203 (1993) 21
Bauschlicher Jr., C.W., see M. Sodupe 203 (1993) 215
Becker, K.H., see I. Barnes 203 (1993) 295
Beglinger, Ch., see R. Rüede 203 (1993) 477
Belinskii, M., Heisenberg exchange model for [Fe_3(II)Fe(III)] clusters of ferredoxins. A generalized solution of the exchange problem 203 (1993) 389
Ben-Nun, M. and R.D. Levine, Coherent vibrational spectroscopy of barrier descent dynamics 203 (1993) 450
Bérces, A. and T. Ziegler, The harmonic force field of benzene calculated by local density functional theory 203 (1993) 592
Bernardes, E.S., Y.M. Hornos and J. Hornos, The overtone spectrum of monofluoracetylene in the algebraic approach 203 (1993) 143
Bersohn, R., see S. Satyapal 203 (1993) 349
Bertini, I., C. Luchinat and D. Tarchi, Are true scalar proton–proton connectivities ever measured in COSY spectra of paramagnetic macromolecules? 203 (1993) 445
Bethune, D.S., see H.C. Dorn 203 (1993) 549
Blagoy, Yu.P., I.A. Levitsky, Yu.V. Rubin and V.V. Slavin, One-dimensional migration of triplet excitations in polymers at low temperatures: polyquanylic acid–Tb^{3+} complex 203 (1993) 265

Author Index to Volume 203

Adelman, D.E., H. Xu and R.N. Zare, Integral rate constant measurements of the reaction $H+D_2 \rightarrow HD(v'=1, j')+D$ at high collision energies 203 (1993) 573
Akulin, V., see E. Borsella 203 (1993) 15
Almlöf, J., see M. Tomonari 203 (1993) 603
Arnold, J., T. Bouché, T. Dreier, J. Wichmann and J. Wolfrum, CARS studies on the heterogenous relaxation of vibrationally excited hydrogen and deuterium 203 (1993) 283
Arnold, M., see D.J. Kouri 203 (1993) 166
Arratia-Pérez, R., Spin–orbit effects on RuO_4 and OsO_4 203 (1993) 409

Babb, J.F., see T.C. Scott 203 (1993) 175
Bachmann, R., Ch. Ottinger and A.F. Vilesov, High-resolution study of collision-induced transitions from $N_2(A\,^3\Sigma_u^+, v=10)$ to $N_2(B\,^3\Pi_g, v=2)$ 203 (1993) 314
Bahr, C.C., see A. Vom Felde 203 (1993) 104
Bancroft, G.M., see Z.F. Liu 203 (1993) 337
Bardeen, C.J. and C.V. Shank, Femtosecond electronic dephasing in large molecules in solution using mode suppression 203 (1993) 535
Barnes, I., K.H. Becker and L. Ruppert, FTIR product study of the self-reaction of β-hydroxyethyl peroxy radicals 203 (1993) 295
Barszczewicz, A., M. Jaszuński and K. Jackowski, Ab initio calculations of the oxygen atom NMR shielding in the carbonyl group 203 (1993) 404
Bässler, H., see U. Lemmer 203 (1993) 28
Baum, G. and J. Robert Huber, Photodissociation of CF_2Cl_2 at 193 nm investigated by photofragment translational spectroscopy 203 (1993) 261
Baumgärtel, H., see T. Jaffke 203 (1993) 21
Bauschlicher Jr., C.W., see M. Sodupe 203 (1993) 215
Becker, K.H., see I. Barnes 203 (1993) 295
Beglinger, Ch., see R. Rüede 203 (1993) 477
Belinskii, M., Heisenberg exchange model for [Fe_3(II)Fe(III)] clusters of ferredoxins. A generalized solution of the exchange problem 203 (1993) 389
Ben-Nun, M. and R.D. Levine, Coherent vibrational spectroscopy of barrier descent dynamics 203 (1993) 450
Bérces, A. and T. Ziegler, The harmonic force field of benzene calculated by local density functional theory 203 (1993) 592
Bernardes, E.S., Y.M. Hornos and J. Hornos, The overtone spectrum of monofluoracetylene in the algebraic approach 203 (1993) 143
Bersohn, R., see S. Satyapal 203 (1993) 349
Bertini, I., C. Luchinat and D. Tarchi, Are true scalar proton–proton connectivities ever measured in COSY spectra of paramagnetic macromolecules? 203 (1993) 445
Bethune, D.S., see H.C. Dorn 203 (1993) 549
Blagoy, Yu.P., I.A. Levitsky, Yu.V. Rubin and V.V. Slavin, One-dimensional migration of triplet excitations in polymers at low temperatures: polyquanylic acid–Tb^{3+} complex 203 (1993) 265

Boddenberg, B. and M. Hartmann, The relation between the ^{129}Xe NMR chemical shifts of xenon in the zeolites NaX, NaY and CuNaY 203 (1993) 243
Boddenberg, B. and J. Watermann, Site blocking in silver-exchanged zeolite Y by carbon monoxide and ethene using xenon adsorption and ^{129}Xe NMR spectroscopy 203 (1993) 531
Bonatsos, D. and C. Daskaloyannis, Deformed oscillator for the Morse potential 203 (1993) 150
Borsella, E., R. Larciprete, A. Nesterenko and V. Akulin, Multiphoton dissociation of zinc dialkyls probed by resonance-enhanced multiphoton ionization 203 (1993) 15
Bouché, T., see J. Arnold 203 (1993) 283
Bouwen, A., see J. De Kinder 203 (1993) 12
Bratko, D., see A. Jamnik 203 (1993) 465
Brewer, T.R., J.T. Fourkas and M.D. Fayer, Flame temperature measurement using picosecond transient grating experiments 203 (1993) 344
Briels, W.J., see C. Huiszoon 203 (1993) 49
Brosolo, M., P. Decleva and A. Lisini, Sub-nanohartree accuracy from LCAO expansion with B-spline functions. An application to H_2^+ and HeH 203 (1993) 586
Bürger, H., see M. Halonen 203 (1993) 157
Burton, N.A., see O.G. Parchment 203 (1993) 46

Cardillo, M.J., see A. Vom Felde 203 (1993) 104
Castex, M.C., see R. Karnbach 203 (1993) 248
Castleman Jr., A.W., see Y. Yamada 203 (1993) 330
Cazzoli, G., G. Cotti and L. Dore, Millimeter and submillimeter-wave spectrum of $CHCl_3$. Determination of the h_3 splitting constant 203 (1993) 227
Challacombe, M., see J. Cioslowski 203 (1993) 137
Chen, C., Q. Ran, S. Yu and X. Ma, Quenching of CH($A\,^2\Delta$ and $B\,^2\Sigma^-$) by NO, $CHBr_3$ and amine molecules 203 (1993) 307
Christophorou, L.G., see T. Jaffke 203 (1993) 21
Cioslowski, J., A. Nanayakkara and M. Challacombe, Rapid evaluation of atomic properties with mixed analytical/numerical integration 203 (1993) 137
Coatsworth, L.L., see Z.F. Liu 203 (1993) 337
Combariza, J.E., N.R. Kestner and J. Jortner, Microscopic solvation of anions in water clusters 203 (1993) 423
Connor, J.N.L., see M.A. Vincent 203 (1993) 415
Cotti, G., see G. Cazzoli 203 (1993) 227

Dalgarno, A., see T.C. Scott 203 (1993) 175
Da Silva, A.B.F., G.L. Malli and Y. Ishikawa, Relativistic universal Gaussian basis set for Dirac–Fock–Coulomb and Dirac–Fock–Breit SCF calculations on heavy atoms 203 (1993) 201
Daskaloyannis, C., see D. Bonatsos 203 (1993) 150
Decleva, P., see M. Brosolo 203 (1993) 586
De Kinder, J., A. Bouwen and D. Schoemaker, Coupling between the $^{14}N_2$ vibrations in β-N_2 and in β-$(^{15}N_2)_x(^{14}N_2)_{1-x}$ mixed crystals 203 (1993) 12
Deng, H.T., see Y. Yamada 203 (1993) 330
Denis, J.P., see X. Wu 203 (1993) 211
Dick, B., see R. Fraenkel 203 (1993) 523
Di Lorenzo-Filho, O. and J.R. Rios Leite, Degenerate four wave mixing with multiple resonances in SF_6 203 (1993) 325

Domcke, W., A.L. Sobolewski and C. Woywod, Internal conversion funnel in benzene and pyrazine: adiabatic and diabatic representation 203 (1993) 220
Dore, L., see G. Cazzoli 203 (1993) 227
Dorn, H.C., J. Gu, D.S. Bethune, R.D. Johnson and C.S. Yannoni, The nature of fullerene solution collisional dynamics. A ^{13}C DNP and NMR study of the C_{60}/C_6D_6/TEMPO system 203 (1993) 549
Dreier, T., see J. Arnold 203 (1993) 283

Ebbesen, T.W., see K. Tanigaki 203 (1993) 33
Ebbesen, T.W., see M. Kosaka 203 (1993) 429
Eland, J.H.D., Dynamics of three-body reactions in ICN^{2+} and related molecules 203 (1993) 353
Ellermann, T., see O.J. Nielsen 203 (1993) 302
Eychmüller, A., see A. Hässelbarth 203 (1993) 271

Fagerström, J. and S. Stafström, Theoretical studies of optical absorption spectra of soliton containing polyenes 203 (1993) 81
Fayer, M.D., see T.R. Brewer 203 (1993) 344
Feldmann, J., see U. Lemmer 203 (1993) 28
Feng, J., see J. Li 203 (1993) 560
Ferraudi, G., Magnetic field effects in the charge transfer photochemistry of Co(III) complexes 203 (1993) 487
Feyereisen, M.W., see M. Tomonari 203 (1993) 603
Fiory, A.T., see R.C. Haddon 203 (1993) 433
Fischer, R., see U. Lemmer 203 (1993) 28
Fourkas, J.T., see T.R. Brewer 203 (1993) 344
Fowler, P.W., H.M. Kelly and E. Steiner, Polarisability and dispersion properties of SF_6 203 (1993) 189
Fowler, P.W., Comment on "Characteristic polynomials of fullerene cages" 203 (1993) 611
Fraenkel, R., U. Samuni, Y. Haas and B. Dick, A matrix isolation study of the fluorescence of anthracene and anthracene–ammonia adducts in solid argon 203 (1993) 523
Frenking, G., see W. Koch 203 (1993) 205
Freund, H.-J., see R.M. Jaeger 203 (1993) 41
Friedman, R.S., see D.W. Schwenke 203 (1993) 565

Genotelle, M., see X. Wu 203 (1993) 211
Ghosh, H.N., D.K. Palit, A.V. Sapre, K.V.S. RamaRao and J.P. Mittal, Dual sites of solvation for electrons produced by photoionisation in aqueous micellar solutions 203 (1993) 5
Gobbi, A., see W. Koch 203 (1993) 205
Göbel, E.O., see U. Lemmer 203 (1993) 28
Goldner, Ph., see X. Wu 203 (1993) 211
Gordon, M.S., see M.A. Vincent 203 (1993) 415
Govindaraj, A., see V. Varma 203 (1993) 545
Greiner, A., see U. Lemmer 203 (1993) 28
Gu, J., see H.C. Dorn 203 (1993) 549
Gullion, T., see J.H. Walton 203 (1993) 237
Guo, G.L., K.T. Tang and C.L. Yiu, The exchange energy of H_2^+ calculated from the exact first-order wavefunction of polarization perturbation theory 203 (1993) 583
Gutman, I., V. Petrović and B. Mohar, Cyclic conjugation effects: individual, collective and overall 203 (1993) 378

Haas, Y., see R. Fraenkel 203 (1993) 523
Haddon, R.C., G.P. Kochanski, A.F. Hebard, A.T. Fiory, R.C. Morris and A.S. Perel, Electrical resistivity and stoichiometry of Ba_xC_{60} films 203 (1993) 433
Hall, G., A.G. Suits and B.J. Whitaker, Resonant degenerate four wave mixing detection of HCO 203 (1993) 277
Halonen, L., see M. Halonen 203 (1993) 157
Halonen, M., L. Halonen, H. Bürger and P. Moritz, Approaching the local mode limit: the second stretching overtone band system of SbH_3 near 5500 cm 203 (1993) 157
Halvick, P., see D.W. Schwenke 203 (1993) 565
Han, K.-L., G.-Z. He and N.-Q. Lou, Comparison of the dynamics of the reactions of Ba with aromatic halides and alkyl halides. LIF studies of the reactions of Ba with C_6H_5X (X=Cl, Br, I) 203 (1993) 509
Harris, C.B., see B.J. Schwartz 203 (1993) 503
Harris, R.A. and L. Pratt, A simple effective Hamiltonian for low-frequency linear responses 203 (1993) 399
Hartmann, M., see B. Boddenberg 203 (1993) 243
Hashemi, R., see T. Jaffke 203 (1993) 21
Hässelbarth, A., A. Eychmüller and H. Weller, Detection of shallow electron traps in quantum sized CdS by fluorescence quenching experiments 203 (1993) 271
Hayamizu, K., see S. Hayashi 203 (1993) 319
Hayashi, H., see H. Murai 203 (1993) 482
Hayashi, S. and K. Hayamizu, Line shapes in CP/MAS NMR spectra of half-integer quadrupolar nuclei 203 (1993) 319
He, G.-Z., see K.-L. Han 203 (1993) 509
Hebard, A.F., see R.C. Haddon 203 (1993) 433
Heesel, H., see U. Lemmer 203 (1993) 28
Hepburn, J.W., see W. Kong 203 (1993) 497
Hillier, I.H., see O.G. Parchment 203 (1993) 46
Hirosawa, I., see K. Tanigaki 203 (1993) 33
Hirosawa, I., see M. Kosaka 203 (1993) 429
Hoffman, D.K., see D.J. Kouri 203 (1993) 166
Homann, K., see R.M. Jaeger 203 (1993) 41
Hore, P.J., see G. Zwanenburg 203 (1993) 65
Hornos, J., see E.S. Bernardes 203 (1993) 143
Hornos, Y.M., see E.S. Bernardes 203 (1993) 143
Hou, H., C. Luo, Z. Liu, D. Mao, Q. Qin, Z. Lian, S. Yao, W. Wang, J. Zhang and N. Lin, Generation of the C_{60} radical cation via electron transfer reaction. A pulse radiolysis study 203 (1993) 555
Howard, J.A., EPR, FTIR, and FAB mass spectrometric investigation of reaction of H atoms with C_{60} in a cyclohexane matrix 203 (1993) 540
Huang, M.-B., see F.-Q. Xie 203 (1993) 598
Huiszoon, C. and W.J. Briels, The static dipole polarizabilities of helium and molecular hydrogen by differential diffusion Monte Carlo 203 (1993) 49

Illenberger, E., see T. Jaffke 203 (1993) 21
Inukai, J., see I. Oda 203 (1993) 99
Ishikawa, N. and Y. Kaizu, Biradical state in phthalocyanine (2+2) tetramer composed of two bis(phthalocyaninato)lutetium radicals 203 (1993) 472

Ishikawa, Y., see A.B.F. Da Silva 203 (1993) 201
Ishiwata, N., see H. Murai 203 (1993) 482
Itikawa, Y., see Y. Okamoto 203 (1993) 61
Ito, M., see I. Oda 203 (1993) 99

Jackowski, K., see A. Barszczewicz 203 (1993) 404
Jaeger, R.M., K. Homann, H. Kuhlenbeck and H.-J. Freund, Lifetimes of electronically excited states of molecules on oxide versus metal surfaces 203 (1993) 41
Jaffke, T., R. Hashemi, L.G. Christophorou, E. Illenberger, H. Baumgärtel and L.A. Pinnaduwage, Photoenhanced dissociative electron attachment to SO_2 203 (1993) 21
Jamnik, A. and D. Bratko, Structure of Baxter's adhesive fluid in a planar gap 203 (1993) 465
Janssen, M.H.M., see C.A. Taatjes 203 (1993) 363
Jaszuński, M., see A. Barszczewicz 203 (1993) 404
Jodkowski, J.T., E. Ratajczak, A. Sillesen and P. Pagsberg, Kinetics of the addition reaction of methyl radicals with nitric oxide studied by pulse radiolysis combined with infrared diode laser spectroscopy 203 (1993) 490
Joers, J.M., see J.H. Walton 203 (1993) 237
Johnson, R.D., see H.C. Dorn 203 (1993) 549
Joppien, M., see R. Karnbach 203 (1993) 248
Jortner, J., see J.E. Combariza 203 (1993) 423
Joslin, E., see H. Yu 203 (1993) 515
Jundt, C., G. Klein and J. Le Moigne, Yields of triplet exciton pairs in polydiacetylene films 203 (1993) 37
Jungen, M., see R. Rüede 203 (1993) 477

Kaatze, U., Dielectric relaxation of H_2O/D_2O mixtures 203 (1993) 1
Kaizu, Y., see N. Ishikawa 203 (1993) 472
Kakuta, A., see H.S. Nalwa 203 (1993) 109
Kamasa-Quashie, A.K., see J.H. Walton 203 (1993) 237
Kapuy, E., see Z. Palágyi 203 (1993) 195
Karnbach, R., M.C. Castex, J.W. Keto, M. Joppien, J. Wörmer, G. Zimmerer and T. Möller, Excited state dynamics of Kr_N clusters probed with time- and energy-resolved photoluminescence methods 203 (1993) 248
Kelly, H.M., see P.W. Fowler 203 (1993) 189
Kestner, N.R., see J.E. Combariza 203 (1993) 423
Keto, J.W., see R. Karnbach 203 (1993) 248
King, J.C., see B.J. Schwartz 203 (1993) 503
King, P.M., R.M. Spycher and W.F. Van Gunsteren, Structure elucidation from rotation spectra: a penalty function approach 203 (1993) 88
Klein, G., see C. Jundt 203 (1993) 37
Klokishner, S.I., see B.S. Tsukerblat 203 (1993) 55
Knoester, J., Third-order optical response of molecular aggregates. Disorder and the breakdown of size-enhancement 203 (1993) 371
Koch, W., G. Frenking and A. Gobbi, The electronic ground state of the $NeAr^{2+}$ dication. A complete active space SCF/multi-reference CI study 203 (1993) 205
Kochanski, G.P., see R.C. Haddon 203 (1993) 433
Kong, W., D. Rodgers and J.W. Hepburn, Formation of highly vibrationally excited states of O_2^+ by threshold pulsed field ionization using coherent XUV 203 (1993) 497

Konrat, R. and H. Sterk, Cross-correlation effects in the transverse relaxation of multiple-quantum transitions of heteronuclear spin systems 203 (1993) 75
Kosaka, M., K. Tanigaki, I. Hirosawa, Y. Shimakawa, S. Kuroshima, T.W. Ebbesen, J. Mizuki and Y. Kubo, ESR studies of K-doped C_{60} 203 (1993) 429
Kouri, D.J., M. Arnold and D.K. Hoffman, Time-to-energy transform of wavepackets using absorbing potentials. Time-independent wavepacket-Schrödinger and wavepacket-Lippmann–Schwinger equations 203 (1993) 166
Kubo, Y., see M. Kosaka 203 (1993) 429
Kuhlenbeck, H., see R.M. Jaeger 203 (1993) 41
Kuroshima, S., see K. Tanigaki 203 (1993) 33
Kuroshima, S., see M. Kosaka 203 (1993) 429
Kurz, H., see U. Lemmer 203 (1993) 28
Kuwata, K., see H. Murai 203 (1993) 482

Larciprete, R., see E. Borsella 203 (1993) 15
Lee, S.-Y., Derivation of the reflection principle in continuum resonance Raman scattering 203 (1993) 93
Leegwater, J.A. and S. Mukamel, Transient grating spectroscopy of exciton sound waves in dense exciton fluids 203 (1993) 125
Lemmer, U., R. Fischer, J. Feldmann, R.F. Mahrt, J. Yang, A. Greiner, H. Bässler, E.O. Göbel, H. Heesel and H. Kurz, Time-resolved studies of two-photon absorption processes in poly(*p*-phenylenevinylene)s 203 (1993) 28
Le Moigne, J., see C. Jundt 203 (1993) 37
Levine, R.D., see M. Ben-Nun 203 (1993) 450
Levitsky, I.A., see Yu.P. Blagoy 203 (1993) 265
Lezius, M., P. Scheier and T.D. Märk, Free electron attachment to C_{60} and C_{70} 203 (1993) 232
Li, J., J. Feng and J. Sun, Quantum chemical calculations on the spectra and nonlinear third-order optical susceptibility of C_{60} 203 (1993) 560
Lian, Z., see H. Hou 203 (1993) 555
Lin, N., see H. Hou 203 (1993) 555
Lisini, A., see M. Brosolo 203 (1993) 586
Liu, Z., see H. Hou 203 (1993) 555
Liu, Z.F., G.M. Bancroft, L.L. Coatsworth and K.H. Tan, Fine structure in the inner valence photoelectron spectra of N_2 and CO 203 (1993) 337
Lou, N.-Q., see K.-L. Han 203 (1993) 509
Luchinat, C., see I. Bertini 203 (1993) 445
Luo, C., see H. Hou 203 (1993) 555

Ma, X., see C. Chen 203 (1993) 307
Mahrt, R.F., see U. Lemmer 203 (1993) 28
Malli, G.L., see A.B.F. Da Silva 203 (1993) 201
Mao, D., see H. Hou 203 (1993) 555
Märk, T.D., see M. Lezius 203 (1993) 232
Matyushov, D.V., Electron transfer in molecules with conformational transitions 203 (1993) 131
Mielke, S.L., see D.W. Schwenke 203 (1993) 565
Mittal, J.P., see H.N. Ghosh 203 (1993) 5
Mizuki, J., see K. Tanigaki 203 (1993) 33
Mizuki, J., see M. Kosaka 203 (1993) 429

Mohar, B., see I. Gutman 203 (1993) 378
Möller, T., see R. Karnbach 203 (1993) 248
Morgan III , J.D., see T.C. Scott 203 (1993) 175
Moritz, P., see M. Halonen 203 (1993) 157
Morris, R.C., see R.C. Haddon 203 (1993) 433
Mukamel, S., see J.A. Leegwater 203 (1993) 125
Mukoh, A., see H.S. Nalwa 203 (1993) 109
Mura, M.E. and D.A. Smith, External polarization functions and polarizability calculations for H_2 203 (1993) 578
Murai, H., N. Ishiwata, K. Kuwata, Y. Sakaguchi and H. Hayashi, External magnetic field effects upon chemical reactions of quasi-stable radical pairs in an SDS micelle 203 (1993) 482

Nalwa, H.S., A. Kakuta and A. Mukoh, Third-order optical nonlinearities of tetrakis-*n*-pentoxy carbonyl metallo-naphthalocyanines 203 (1993) 109
Nanayakkara, A., see J. Cioslowski 203 (1993) 137
Nesterenko, A., see E. Borsella 203 (1993) 15
Neuhauser, D., Reactive scattering with absorbing potentials in general coordinate system, Chem. Phys. Letters 200 (1992) 173. Erratum 203 (1993) 444
Nielsen, O.J., T. Ellermann and T.J. Wallington, UV absorption spectrum and kinetics of the self-reaction of neopentyl radicals in the gas phase at 298 K 203 (1993) 302

Oda, I., J. Inukai and M. Ito, Compression structures of carbon monoxide on a Pt(111) electrode surface studied by in situ scanning tunneling microscopy 203 (1993) 99
Okamoto, Y. and Y. Itikawa, Elastic scattering of electrons by ozone molecules 203 (1993) 61
Ookubo, N., see M. Tomonari 203 (1993) 603
Ottinger, Ch., see R. Bachmann 203 (1993) 314
Ozaki, J., The change in character of the even *z*-parity states from antibonding to bonding in the H_2^+ ion by strong magnetic fields 203 (1993) 184
Özen, G., see X. Wu 203 (1993) 211

Pagsberg, P., see J.T. Jodkowski 203 (1993) 490
Pagsberg, P., see A. Sillesen 203 (1993) 613
Palágyi, Z., H.F. Schaefer III and E. Kapuy, Ga_2H_2: planar dibridged, vinylidene-like, monobridged, and trans equilibrium geometries 203 (1993) 195
Palit, D.K., see H.N. Ghosh 203 (1993) 5
Parchment, O.G., N.A. Burton and I.H. Hillier, Tautomeric equilibrium of 2-hydroxypyridine/2-pyridone: does a theoretical–experimental discrepancy exist? 203 (1993) 46
Pascual-Ahuir, J.L., see I. Tuñón 203 (1993) 289
Pegarkov, A.I. and I.I. Tugov, High-order perturbation theory for multi-term resonance Raman scattering of laser radiation from rotating diatomic molecules 203 (1993) 457
Pellé, F., see X. Wu 203 (1993) 211
Perel, A.S., see R.C. Haddon 203 (1993) 433
Petrović, V., see I. Gutman 203 (1993) 378
Phillips, D., see H. Yu 203 (1993) 515
Pinnaduwage, L.A., see T. Jaffke 203 (1993) 21
Pratt, L., see R.A. Harris 203 (1993) 399

Qin, Q., see H. Hou 203 (1993) 555

RamaRao, K.V.S., see H.N. Ghosh 203 (1993) 5
Ran, Q., see C. Chen 203 (1993) 307
Rao, C.N.R., see V. Varma 203 (1993) 545
Ratajczak, E., see J.T. Jodkowski 203 (1993) 490
Ratajczak, E., see A. Sillesen 203 (1993) 613
Rios Leite, J.R., see O. Di Lorenzo-Filho 203 (1993) 325
Robert Huber, J., see G. Baum 203 (1993) 261
Rodgers, D., see W. Kong 203 (1993) 497
Rubin, Yu.V., see Yu.P. Blagoy 203 (1993) 265
Rüede, R., H. Troxler, Ch. Beglinger and M. Jungen, The dissociation energies of the positive ions NH_3^+, NF_3^+, PH_3^+, PF_3^+ and PCl_3^+ 203 (1993) 477
Ruoff, R.S., Y. Wang and D. Tománek, Lanthanide- and actinide-based fullerite compounds: potential A_xC_{60} superconductors? 203 (1993) 438
Ruppert, L., see I. Barnes 203 (1993) 295

Sakaguchi, Y., see H. Murai 203 (1993) 482
Samuni, U., see R. Fraenkel 203 (1993) 523
Sapre, A.V., see H.N. Ghosh 203 (1993) 5
Satyapal, S., S. Tasaki and R. Bersohn, Photodissociation of chloroaromatic compounds: Cl^*/Cl ratios 203 (1993) 349
Schaefer III, H.F., see Z. Palágyi 203 (1993) 195
Schatz, G.C., see M.A. Vincent 203 (1993) 415
Scheier, P., see M. Lezius 203 (1993) 232
Schoemaker, D., see J. De Kinder 203 (1993) 12
Schroeder, J., J. Troe and P. Vöhringer, Pressure dependence of solvent-induced barrier shifts in the photoisomerization of trans-stilbene 203 (1993) 255
Schwartz, B.J., J.C. King, J.Z. Zhang and C.B. Harris, Direct femtosecond measurements of single collision dominated geminate recombination times of small molecules in liquids 203 (1993) 503
Schwenke, D.W., S.L. Mielke, G.J. Tawa, R.S. Friedman, P. Halvick and D.G. Truhlar, Converged quantum-mechanical calculations of electronic-to-vibrational, rotational energy transfer probabilities in a system with a conical intersection 203 (1993) 565
Scott, T.C., J.F. Babb, A. Dalgarno and J.D. Morgan III , Resolution of a paradox in the calculation of exchange forces for H_2^+ 203 (1993) 175
Seshadri, R., see V. Varma 203 (1993) 545
Shank, C.V., see C.J. Bardeen 203 (1993) 535
Shimakawa, Y., see M. Kosaka 203 (1993) 429
Shirley, D.A., see Y. Zheng 203 (1993) 114
Silla, E., see I. Tuñón 203 (1993) 289
Sillesen, A., see J.T. Jodkowski 203 (1993) 490
Sillesen, A., E. Ratajczak and P. Pagsberg, Kinetics of the reactions $H+C_2H_4 \rightarrow C_2H_5$, $H+C_2H_5 \rightarrow 2CH_3$ and $CH_3+C_2H_2 \rightarrow$ products studied by pulse radiolysis combined with infrared diode laser spectroscopy (Chem. Phys. Letters 201 (1993) 171). Erratum 203 (1993) 613
Slavin, V.V., see Yu.P. Blagoy 203 (1993) 265
Smith, D.A., see M.E. Mura 203 (1993) 578
Snyder, E.M., see Y. Yamada 203 (1993) 330

Sobolewski, A.L., see W. Domcke 203 (1993) 220
Sodupe, M. and C.W. Bauschlicher Jr., The bonding in the low-lying states of MgO_2^+ 203 (1993) 215
Sood, A.K., see V. Varma 203 (1993) 545
Spycher, R.M., see P.M. King 203 (1993) 88
Stafström, S., see J. Fagerström 203 (1993) 81
Steiner, E., see P.W. Fowler 203 (1993) 189
Sterk, H., see R. Konrat 203 (1993) 75
Stolte, S., see C.A. Taatjes 203 (1993) 363
Suits, A.G., see G. Hall 203 (1993) 277
Sun, J., see J. Li 203 (1993) 560
Sztucki, J., Intensity of electric quadrupole transitions of metal ions in crystals 203 (1993) 383

Taatjes, C.A., M.H.M. Janssen and S. Stolte, Dynamical information in angular distributions of fragments from photolysis of oriented molecules 203 (1993) 363
Tachiya, M., An alternative interpretation of Onsager's inverted snowball effect of electron solvation 203 (1993) 164
Takada, T., see M. Tomonari 203 (1993) 603
Tan, K.H., see Z.F. Liu 203 (1993) 337
Tang, K.T., see G.L. Guo 203 (1993) 583
Tanigaki, K., I. Hirosawa, T.W. Ebbesen, J. Mizuki and S. Kuroshima, Structure and properties of $Na_xCs_yC_{60}$ superconductors 203 (1993) 33
Tanigaki, K., see M. Kosaka 203 (1993) 429
Tarchi, D., see I. Bertini 203 (1993) 445
Tasaki, S., see S. Satyapal 203 (1993) 349
Tawa, G.J., see D.W. Schwenke 203 (1993) 565
Tománek, D., see R.S. Ruoff 203 (1993) 438
Tomonari, M., N. Ookubo, T. Takada, M.W. Feyereisen and J. Almlöf, Simplified sum-over-states calculations and missing-orbital analysis on hyperpolarizabilities of benzene derivatives 203 (1993) 603
Troe, J., see J. Schroeder 203 (1993) 255
Troxler, H., see R. Rüede 203 (1993) 477
Truhlar, D.G., see D.W. Schwenke 203 (1993) 565
Tsukerblat, B.S. and S.I. Klokishner, Magnetic hyperfine structure of the Mössbauer spectra of mixed-valence dimers in charge-ordered crystals 203 (1993) 55
Tugov, I.I., see A.I. Pegarkov 203 (1993) 457
Tuñón, I., E. Silla and J.L. Pascual-Ahuir, Continuum-uniform approach calculations of the solubility of hydrocarbons in water 203 (1993) 289

Van Gunsteren, W.F., see P.M. King 203 (1993) 88
Varma, V., R. Seshadri, A. Govindaraj, A.K. Sood and C.N.R. Rao, An infrared spectroscopic study of the orientational phase transitions of C_{70} 203 (1993) 545
Vilesov, A.F., see R. Bachmann 203 (1993) 314
Vincent, M.A., J.N.L. Connor, M.S. Gordon and G.C. Schatz, Ab initio electronic structure calculations of stationary points and barrier heights for the ClHCl and HCl_2 systems 203 (1993) 415
Vöhringer, P., see J. Schroeder 203 (1993) 255
Vom Felde, A., C.C. Bahr and M.J. Cardillo, Competition between desorption and diffusion at a GaAs(110) surface 203 (1993) 104

Wallington, T.J., see O.J. Nielsen 203 (1993) 302
Walton, J.H., A.K. Kamasa-Quashie, J.M. Joers and T. Gullion, Spin–rotation relaxation in C_{60} 203 (1993) 237
Wan, C., Time-resolved resonance Raman anisotropy. Rotational motion studied by Raman spectroscopy 203 (1993) 119
Wang, W., see H. Hou 203 (1993) 555
Wang, Y., see R.S. Ruoff 203 (1993) 438
Watermann, J., see B. Boddenberg 203 (1993) 531
Weller, H., see A. Hässelbarth 203 (1993) 271
Whitaker, B.J., see G. Hall 203 (1993) 277
Wichmann, J., see J. Arnold 203 (1993) 283
Wolfrum, J., see J. Arnold 203 (1993) 283
Wörmer, J., see R. Karnbach 203 (1993) 248
Woywod, C., see W. Domcke 203 (1993) 220
Wu, X., J.P. Denis, G. Özen, Ph. Goldner, M. Genotelle and F. Pellé, The blue up-conversion luminescence of vitroceramic codoped with Tm^{3+} and Yb^{3+} ions pumped with 680 nm 203 (1993) 211

Xia, Y.-X., see F.-Q. Xie 203 (1993) 598
Xie, F.-Q., Y.-X. Xia and M.-B. Huang, Electronic states of the FO radical. An MRSDCI study 203 (1993) 598
Xu, H., see D.E. Adelman 203 (1993) 573

Yamada, Y., H.T. Deng, E.M. Snyder and A.W. Castleman Jr., Copper/antimony and copper/bismuth alloy clusters: magic numbers and electronic structure 203 (1993) 330
Yang, J., see U. Lemmer 203 (1993) 28
Yannoni, C.S., see H.C. Dorn 203 (1993) 549
Yao, S., see H. Hou 203 (1993) 555
Yiu, C.L., see G.L. Guo 203 (1993) 583
Yu, H., E. Joslin and D. Phillips, Laser-induced fluorescence excitation spectra of jet-cooled chrysene 203 (1993) 515
Yu, S., see C. Chen 203 (1993) 307

Zare, R.N., see D.E. Adelman 203 (1993) 573
Zhang, J., see H. Hou 203 (1993) 555
Zhang, J.Z., see B.J. Schwartz 203 (1993) 503
Zheng, Y. and D.A. Shirley, Multiple-scattering enhanced depth sensitivity of angle-resolved photoemission extended fine structure 203 (1993) 114
Zhou, Z., Ab initio construction of Yang's divide-and-conquer method 203 (1993) 396
Ziegler, T., see A. Bérces 203 (1993) 592
Zimmerer, G., see R. Karnbach 203 (1993) 248
Zwanenburg, G. and P.J. Hore, EPR of spin-correlated radical pairs. Analytical treatment of selective excitation including zero-quantum coherence 203 (1993) 65